

What is claimed is:

1 1. A flat panel display, comprising:
2 a housing;
3 a panel module having a front frame, a rear frame,
4 and a panel, the front frame being assembled
5 with the rear frame to encase the panel, the
6 rear frame having at least one connecting
7 portion, and a part of the connecting portion
8 being covered by the panel; and
9 a main bracket, connecting the housing and the
10 connecting portion of the rear frame.

1 2. The flat panel display as claimed in claim 1,
2 wherein the connecting portion of the rear frame is fixed
3 to the main bracket by screws.

1 3. The flat panel display as claimed in claim 1,
2 wherein the connecting portion is formed by lancing and
3 bending the rear frame.

1 4. The flat panel display as claimed in claim 1,
2 wherein the connecting portion is riveted to the rear
3 frame.

1 5. The flat panel display as claimed in claim 1,
2 wherein the connecting portion is formed by slitting and
3 pressing the rear frame.

1 6. The flat panel display as claimed in claim 1,
2 wherein the connecting portion is formed by deep drawing
3 of the rear frame.

1 7. A flat panel display, comprising:
2 a housing;
3 a panel module having a front frame, a rear frame,
4 and a panel, and the front frame being
5 assembled with the rear frame to encase the
6 panel; and
7 a main bracket disposed in the housing;
8 wherein the rear frame comprises a receiving portion
9 supporting the panel, a peripheral portion
10 located at periphery of the receiving portion,
11 and at least one connecting portion, a part of
12 the connecting portion is covered by the panel;
13 and the main bracket connects the housing and
14 the connecting portion of the rear frame.

1 8. The flat panel display as claimed in claim 7,
2 wherein the rear frame is fixed to the main bracket by
3 screws.

1 9. The flat panel display as claimed in claim 7,
2 wherein the connecting portion extends from the
3 peripheral portion for a predetermined distance, and is
4 bent to the rear of the receiving portion.

1 10. The flat panel display as claimed in claim 7,
2 wherein the connecting portion is completely disposed on
3 the receiving portion.

1 11. The flat panel display as claimed in claim 7,
2 wherein the connecting portion is a post, an L-shaped

3 protrusion, a bridge-shaped protrusion, or a circular
4 protrusion.

1 12. The flat panel display as claimed in claim 7,
2 wherein the connecting portion is disposed in the
3 vicinity of the peripheral portion.

1 13. A panel module, comprising:
2 a panel;
3 a front frame; and
4 a rear frame, connected to the front frame to
5 position the panel therebetween,
6 wherein the rear frame comprises a fastening portion
7 for a fastening device to be mounted therein,
8 and a part of the fastening portion is covered
9 by the panel.

1 14. The panel module as claimed in claim 13,
2 wherein the fastening device is a screw.

3 15. The panel module as claimed in claim 13,
4 wherein the fastening portion is formed by lancing and
5 bending the rear frame.

1 16. The panel module as claimed in claim 13,
2 wherein the fastening portion is riveted to the rear
3 frame.

1 17. The panel module as claimed in claim 13,
2 wherein the fastening portion is formed by slitting and
3 pressing the rear frame.

1 18. The panel module as claimed in claim 13,
2 wherein the fastening portion is formed by deep drawing
3 of the rear frame.

1 19. A panel module, comprising:
2 a panel;
3 a front frame; and
4 a rear frame, connected with the front frame to
5 position the panel therebetween;
6 wherein the rear frame has a receiving portion
7 supporting the panel, a peripheral portion
8 located at the periphery of the receiving
9 portion, and at least one fastening portion for
10 mounting a fastening device therein, and a part
11 of the fastening portion is positioned on the
12 receiving portion or extends to a back of the
13 receiving portion.

1 20. The panel module as claimed in claim 19,
2 wherein the fastening device is a screw.

1 21. The panel module as claimed in claim 19,
2 wherein the fastening portion is extended from the
3 peripheral portion for a predetermined distance and bent
4 to the back of the receiving portion.

1 22. The panel module as claimed in claim 19,
2 wherein the fastening portion is disposed on the
3 receiving portion.

1 23. The panel module as claimed in claim 19,
2 wherein the fastening portion is a post, an L-shaped

3 protrusion, a bridge-shaped protrusion, or a circular
4 protrusion.

1 24. The panel module as claimed in claim 19,
2 wherein the fastening portion is disposed in the vicinity
3 of the peripheral portion.

1 25. A flat panel display, comprising:
2 a panel;
3 a front frame, disposed in front of the panel;
4 a receiving portion, disposed behind the panel;
5 a peripheral portion, located at the periphery of
6 the receiving portion;
7 a connecting portion, having an arm and a connecting
8 surface, the arm connecting to one of the
9 receiving portion and the peripheral portion,
10 the connecting surface connecting to the arm
11 substantially extending to a back of the
12 receiving portion; and
13 a housing, engaged with the panel by the connecting
14 surface of the connecting portion.

1 26. The flat panel display as claimed in claim 25,
2 wherein a screw hole is formed on the connecting surface
3 for a screw to be mounted therein, and the housing is
4 fixed to the connecting portion by the screw.

1 27. The flat panel display as claimed in claim 25,
2 wherein the connecting portion is an L-shaped protrusion,
3 and the connecting surface is positioned at a top of the
4 L-shaped protrusion.

1 28. The flat panel display as claimed in claim 25,
2 wherein the connecting portion is a reversed U-shaped
3 protrusion, a partial-spherical protrusion, or a
4 cylindrical protrusion, and the connecting surface tips
5 the connecting portion.

1 29. The flat panel display as claimed in claim 25,
2 wherein the connecting portion comprises a screw post,
3 disposed on the receiving portion.

1 30. The flat panel display as claimed in claim 25,
2 further comprising a bracket, positioned between the
3 connecting portion and the housing, and the connecting
4 portion and housing respectively connected to the bracket
5 at different locations.

1 31. The flat panel display as claimed in claim 30,
2 wherein the bracket has an edge, the connecting portion
3 is engaged with the bracket at a first location, the
4 housing is engaged with the bracket at a second location,
5 and the first location is closer to the edge of the
6 bracket than the second location.

1 32. A flat panel display, comprising:
2 a panel;
3 a front frame, disposed in front of the panel;
4 a receiving portion, disposed behind the panel;
5 a peripheral portion, located at the periphery of
6 the receiving portion;
7 a connecting portion having a protrusion and a
8 connecting surface, the protrusion connecting

9 to one of the receiving portion and the
10 peripheral portion, the connecting surface and
11 the protrusion substantially extending to a
12 back of the receiving portion; and
13 a housing, engaged with the panel by the connecting
14 surface of the connecting portion.

1 33. The flat panel display as claimed in claim 32,
2 wherein a screw hole is formed on the connecting surface
3 for a screw to be mounted therein, and the housing is
4 fixed to the connecting portion by the screw.

1 34. The flat panel display as claimed in claim 32,
2 wherein the connecting portion is an L-shaped protrusion,
3 and the connecting surface is positioned at a top of the
4 L-shaped protrusion.

1 35. The flat panel display as claimed in claim 32,
2 wherein the connecting portion is a reversed U-shaped
3 protrusion, a partial-spherical protrusion, or a
4 cylindrical protrusion, and the connecting surface tips
5 the connecting portion.

1 36. The flat panel display as claimed in claim 32,
2 wherein the connecting portion comprises a screw post,
3 disposed on the receiving portion.

1 37. The flat panel display as claimed in claim 32,
2 further comprising a bracket, disposed between the
3 connecting portion and the housing, and the connecting
4 portion and the housing are respectively connected to the
5 bracket at different locations.

1 38. The flat panel display as claimed in claim 32,
2 wherein the bracket has an edge, the connecting portion
3 is engaged with the bracket at a first location, and the
4 housing is engaged with the bracket at a second location,
5 and the first location is closer to the edge of the
6 bracket than the second location.